

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-24 (Canceled)

25. (New) System for analysing a sample to be examined comprising
- a test field containing a reagent which on contact, interacts with an analyte contained in a sample resulting in an optically detectable change in the test field;
 - at least one light-conducting element having
 - a distal end on which the test field is coated and
 - a second proximal end into which light can be coupled such that light is conducted from the second end to the test field and is conducted away again from the test field by the same or another light-conducting element; and
 - a lancet which at least partially surrounds the light-conducting element having a lancet tip which is located in a region of the distal end and of the test field in such a manner that the lancet tip extends beyond the distal end of the light guide and beyond the test field during a lancing process, wherein the lancet has an opening that enables the test field on the distal end of the light-conducting element to protrude beyond the lancet tip for contacting the sample.
26. (New) System as claimed in claim 25, which has a plurality of test fields.
27. (New) System as claimed in claim 25, which has a plurality of lancets.

28. (New) System for analysing a sample to be analysed comprising

- a test field containing a reagent which on contact, interacts with an analyte contained in a sample resulting in an optically detectable change in the test field;
- at least one light-conducting element having
 - a distal end which is permanently connected to the test field and
 - a proximal end into which light can be coupled such that light is conducted from the second end to the test field and is conducted away again from the test field by the same or another light-conducting element; and
- a lancet having a lancet tip which is located in a region of the distal end and of the test field in such a manner that the lancet tip extends beyond the distal end of the light guide and beyond the test field during a lancing process, the lancet being hollow, wherein the light-conducting element is extends within the lancet, wherein the lancet has an opening that enables the test field on the distal end of the light-conducting element to protrude beyond the lancet tip for contacting the sample.

29. (New) System as claimed in claim 28,
in which the reagent in the test field reacts essentially irreversibly with the analyte.

30. (New) System as claimed in claim 29, which is suitable only for single use.

31. (New) System as claimed in claim 28, which is suitable only for single use.

32. (New) System as claimed in claim 28, which has a plurality of test fields.

33. (New) System as claimed in claim 32, which has a plurality of lancets.

34. (New) System as claimed in claim 28,
in which the lancet and the light-conducting element are arranged concentrically relative to one another.

35. (New) System as claimed in claim 28,
in which the lancet and the light-conducting element are arranged in direct vicinity to one another in a plane perpendicular to the lancing direction.

36. (New) System as claimed in claim 28,
in which the lancet tip is embedded in a sterile protection.

37. (New) System as claimed in claim 28,
which is suitable for determining a glucose concentration from blood.

38. (New) System as claimed in claim 28,
which can be optically contacted with an analytical unit of an analytical instrument such that light is coupled into or out of the light-conducting element.

39. (New) System as claimed in claim 28,
which is used in a lancing device.

40. (New) System as claimed in claim 39,
in which the lancing device comprises an analytical unit which is optically contacted with the light-conducting element in such a manner that light can be coupled into the light-conducting element and the light conducted away from the test field can be detected by the analytical unit.

41. (New) System as claimed in claim 39,
in which the lancing device can be coupled to an analytical unit such that
light can be coupled into the light-conducting element and the light conducted away from the test field can be detected by the analytical unit.

42. (New) System as claimed in claim 39, in which the lancing device comprises a drive unit for the lancet.

43. (New) System as claimed in claim 42,
in which the lancing device contains a drive unit for the light-conducting element.
44. (New) System as claimed in claim 39,
in which the lancing device contains a drive unit for the light-conducting element.
45. (New) System as claimed in claim 44,
in which the lancing device contains a drive unit for transporting the test element.
46. (New) System as claimed in claim 39,
in which the lancing device contains a drive unit for transporting the test element.
47. (New) System as claimed in claim 39,
which is positioned in a magazine of the lancing device in which a plurality of systems is
located.